CLAIMS:

1. A memory management device for managing a memory space of at least one persistent-memory device, comprising a memory allocation unit adapted to communicate with at least one application device and to allocate at least one first part of said memory space to said application device, wherein said allocation unit is further adapted to communicate with at least one file system device, and to allocate on request from said application device or from said file system device said first part of said memory space to said file system.

2. A memory management device according to claim 1, wherein said memory allocation unit is adapted to maintain a memory allocation table at a current status, said memory allocation table assigning at least one memory address representing a defined part of said memory space to either said application device or to said file system device.

3. A memory management device according to claim 2, further comprising a processor and a memory, wherein said memory allocation unit is implemented in the form of at least one first executable file contained in said memory.

4. A memory management device according to claim 3, wherein said memory is a persistent-memory device, in particular said persistent-memory device.

5. A file system device, comprising a file allocation unit adapted to maintain a file allocation table at a current status, said file allocation table assigning at least one disk space address to at least one file, wherein said file allocation unit is adapted to communicate with a memory management device that is related to a persistent-memory device and to include an address of at least one first memory space of said persistent-memory device in the maintenance of said file allocation table.

6. A file system device according to claim 5, further comprising a processor and a memory, wherein said file allocation unit is implemented in the form of at least one second executable file contained in said memory.

7. An application device, comprising a persistent-memory device connected to a processor, and a data management unit adapted to manipulate data in said persistent memory device, wherein said data management unit is adapted to write at least one third executable file to said persistent memory device, or to provide the file system with a reference to at least on third executable file in said file system, such that by executing said third executable file said processor is adapted to transform said data into a predetermined data-sequence form.

8. An application device according to claim 7, wherein said data management unit is provided in the form of least one fourth executable file in a memory, particularly, in said persistent memory.

9. A storage medium containing said first, second, third or fourth executable file according to claim 3, 6, 7or 8.

10. A data processing system, comprising a memory management device according to claim 1, a file system device according to claim 5, an application device according to claim 7, or a storage medium according to claim 9.

11. A method for managing memory space of a persistent-memory device, comprising a step of allocating at least one first part of said memory space to a file system device upon request from said file system device or from an application device.

12. A method according to claim 11, wherein said allocating step comprises a step of blocking a writing access to said first part of said memory space.

13. A method according to claim 12, wherein said allocating step comprises a step of giving away to said file system device the power of reading access to said first part of said memory space.